

WHAT IS CLAIMED IS:

- 1 1. A hinge assembly comprising:
 - 2 a fixing seat adapted to connect to a laptop computer mainframe;
 - 3 a position seat adapted to connect to a laptop computer screen and having a first
 - 4 annular body defining therein a first position hole and a second annular body opposite to
 - 5 the first annular body and defining therein a second position hole;
 - 6 a fixing ring having a first side face securely engaged with the first annular body
 - 7 and a second side face opposite to the first side face and provided with a pair of notches;
 - 8 a position ring having a pair of protrusions extending out to correspond to the
 - 9 pair of notches of the fixing ring;
 - 10 multiple resilient pads;
 - 11 a securing device; and
 - 12 a connection rod extending through the fixing seat, the first annular body, the
 - 13 fixing ring, the position ring, the multiple resilient pads, the second annular body to
 - 14 securely sandwich the fixing ring, the position ring and the multiple resilient pads
 - 15 between the first annular body and the second annular body so as to securely engage
 - 16 with the securing device,
 - 17 whereby pivotal movement of the position seat relative to the fixing seat drives
 - 18 the position ring to pivot such that the protrusions are alternatively received in the
 - 19 corresponding notches and thus the multiple resilient pads are able to provide necessary
 - 20 friction when the protrusions are away from the notches.
- 21 2. The hinge assembly as claimed in claim 1, wherein the first annular body has
- 22 a cutout defined in a circumference of the first annular body and the fixing ring has an
- 23 extension formed on the first side face of the fixing ring to correspond to the cutout so

1 that engagement between the fixing ring and the first annular body of the position seat is
2 secured when the extension is received in the corresponding cutout.

3 3. The hinge assembly as claimed in claim 1, wherein the first annular body has
4 a pair of cutouts defined in a circumference of the first annular body and the fixing ring
5 has a pair of extensions formed on the first side face of the fixing ring to correspond to
6 the cutouts so that engagement between the fixing ring and the first annular body of the
7 position seat is secured when the extensions are received in the corresponding cutouts.

8 4. The hinge assembly as claimed in claim 2, wherein the fixing ring has a
9 recessed area adjacent to the extension to receive therein the first annular body.

10 5. The hinge assembly as claimed in claim 3, wherein the fixing ring has a pair
11 of recessed areas oppositely formed to one another to receive therein the first annular
12 body.

13 6. The hinge assembly as claimed in claim 5, wherein the protrusions are
14 opposite to one another and the notches are opposite to one another.